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### PUBLICATIONS AND PRESENTATIONS

#### Book Chapters

1. **S. Zainuddin**, M. V. Hosur, M. A. Aleem, "Thermoset Resin Sandwich Structures," *Lightweight Composite Structures in Transport: Design, Manufacturing, Analysis and Performance*, Editor: James Njuguna. ISBN: 9781782423256, Woodhead Publishing (2016).
2. **S. Zainuddin**, M. V. Hosur, Ashok Kumar, Jonathan Trovillion, S. Jeelani, "Durability Enhancement of Fiber Reinforced Composites Using Nanoclay," *Advanced fiber-reinforced polymer (FRP) composites for structural applications*, Editor: Jiping Bai, ISBN-13: 978-08-5709-418 6, Woodhead Publishing Series in Civil and Structural Engineering 46 (2013).
3. **Shaik Zainuddin**, Mahesh Hosur, Ashok Kumar and Shaik Jeelani, "Effects of ultraviolet radiation and condensation on static and dynamic compressive behavior of nanophased glass/ epoxy composites," *FRP Composites and Sustainability*, Editor: Ravi Jain, Luke Lee. ISBN 978-94-007-2356-6, Springer Dordrecht Heidelberg London New York (2012).
4. Hassan Mahfuz, **Shaik Zainuddin**, Mohammed F. Uddin, Vijaya K. Rangari and Shaik Jeelani, "Fatigue of pure and nanophased sandwich composites under shear loading," *Sandwich Structures 7: Advancing with Sandwich Structures and Materials*, Springer Netherlands (2006) 183-192.

#### Refereed Journal Publications

1. S. M. Kamrul Hasan, Shaik Zainuddin, Jasmine Tanthongsack, Mahesh Hosur, "A Study of Poly (3-hydroxybutyrate-co-3-hydroxyvalerate) BioFilms Thermal and Biodegradable Properties Reinforced with Halloysite Nanotubes," *Journal of Composite Materials*, DOI:10.1177/0021998318763246, 2018, 1-9.
2. Fahim Abdulla, **Shaik Zainuddin**, Shaik Shoeib, Mahesh Hosur, Dawen Li, Mackenzie Matthews, Shaik Jeelani, "Properties of Polyhydroxy Butyrate Polyvalerate Biopolymeric Nanocomposites Reinforced with Natural Halloysite Nanotubes," *Journal of Material Science and Technology Research* 3, 2016, 7-16, 10.15377/2410-4701.2016.03.01.2.
3. **Shaik Zainuddin**, Fahim Abdulla, Shaik Shoeib, Mahesh Hosur, Dawen Li, Chelsea Hicks, Shaik Jeelani, "Morphological and Mechanical Behavior of Chemically Treated Jute-PHBV Bio-Nanocomposites Reinforced with Silane Grafted Halloysite Nanotubes," *Journal of Applied Polymer Science* 2016, DOI: 10.1002/APP.43994.
4. M.M. Rahman, M. Hosur, **S. Zainuddin**, N. Jahan, E.B. Miller-Smith, S. Jeelani, "Enhanced tensile performance of epoxy and e-glass/epoxy composites by randomly oriented amino-functionalized MWCNTs at low contents," *Journal of Composite Materials* 2015, Vol. 49(7) 759-770
5. **S. Zainuddin**, A. Fahim, M.V. Hosur, M.M. Rahman, S. Jeelani, "Optimization of mechanical and thermo-mechanical properties of epoxy and E-glass/epoxy composites using NH<sub>2</sub>-MWCNTs, acetone solvent and combined dispersion methods," *Composite Structures* 110 (2014) 39-50.
6. **S. Zainuddin**, T. Arefin, A. Fahim, M. V. Hosur, J.D. Tyson, Ashok Kumar, J. Trovillion, S. Jeelani, "Recovery and improvement in low-velocity impact properties of e-glass/epoxy composites through novel self-healing technique," *Composite Structures* 108 (2014) 277-286.
7. M. M. Rahman, **S. Zainuddin**, M. V. Hosur, C. J. Robertson, Ashok Kumar, Jonathon Trovillion, S. Jeelani, "Effect of NH<sub>2</sub>-MWCNTs on Crosslink Density of Epoxy Matrix and ILSS Properties of E-glass/Epoxy Composites," *Composite structures* 95 (2013) 213-221.
8. M. B. A. Salam, M. V. Hosur, **S. Zainuddin**, S. Jeelani, "Improvement in Mechanical and Thermo-Mechanical Properties of Epoxy Composite Using Two Different Functionalized Multi-Walled Carbon

- Nanotubes,” *Open Journal of Composite Materials* 3 (2013) 1-9.
9. Muhammad Rahman, Mahesh Hosur, **Shaik Zainuddin**, Uday Vaidya, Arefin Tauhid, Ashok Kumar, Jonathan Trovillion, Shaik Jeelani, “Effects of amino-functionalized MWCNTs on ballistic impact performance of E-glass/epoxy composites using a spherical projectile,” *International Journal of Impact Engineering* 57 (2013) 108–118.
  10. M.M. Rahman, **S. Zainuddin**, M. V. Hosur, J.E. Malone, M.B.A. Salam, Ashok Kumar, S. Jeelani, “Improvements in mechanical and thermo-mechanical properties of e-glass/epoxy composites using amino functionalized MWCNTs,” *Composite Structures* 94 (2012) 2397-2406.
  11. Muhammad M. Rahman, Mahesh Hosur, **Shaik Zainuddin**, Kailash C. Jajam, Hareesh V. Tippur, Shaik Jeelani, “Mechanical characterization of epoxy composites modified with reactive polyol diluent and randomly-oriented amino-functionalized MWCNTs,” *Polymer Testing* 31(8) (2012) 1083-1093.
  12. Muhammad M. Rahman, Mahesh Hosur, Adriane G. Ludwick, **Shaik Zainuddin**, Ashok Kumar, Jonathan Trovillion, Shaik Jeelani, “Thermo-mechanical behavior of epoxy composites modified with reactive polyol diluent and randomly-oriented amino-functionalized multi-walled carbon nanotubes,” *Polymer Testing* 31 (2012) 777–784.
  13. Mahesh Hosur, Rajib Barua, **Shaik Zainuddin**, Ashok Kumar, Jonathan Trovillion, Shaik Jeelani, “Effect of Processing Techniques on the Performance of Epoxy/MWCNT Nanocomposites,” *Journal of Applied Polymer Science*, DOI: 10.1002/APP.37990 (2012).
  14. Mahesh Hosur, Rajib Barua, **Shaik Zainuddin**, Ashok Kumar, Jonathan Trovillion, Shaik Jeelani, “Rheology, Flexure and Thermomechanical Characterization of Epoxy/CNF Nanocomposites: Effect of Dispersion Techniques,” *Polymers and Polymer Composites* 20 (6) (2012) 517-530.
  15. **S. Zainuddin**, M. V. Hosur, R. Barua, Ashok Kumar, S. Jeelani, “Effects of ultraviolet radiation and condensation on static and high strain rate compression behavior of nanoclay infused glass/ epoxy composites,” *Journal of Composite Materials* 45 ( 18) (2011) 1901-1918.
  16. **S. Zainuddin**, M. V. Hosur, Y. Zhou, Alfred T. Narteh, A. Kumar, S. Jeelani, “Experimental and numerical investigations on flexure and thermal properties of nanoclay-epoxy nanocomposites,” *Materials Science Engineering A* 527 (2010) 7920-7926.
  17. **S. Zainuddin**, M. V. Hosur, A. Kumar, S. Jeelani, “Environmental Effects on the Flexural Performance of Neat and Nanophased Glass Fiber Reinforced Plastic Composites “Durability Study of Neat/Nanophased GFRP Composites Subjected to Different Environmental Conditioning,” *Materials Science and Engineering A* 527 (2010) 3091-3099.
  18. **S. Zainuddin**, H. Mahfuz, S. Jeelani, “Enhancing Fatigue Performance of Sandwich Composites with Nanophased Core,” *Journal of Nanomaterials* 2010, doi:10.1155/2010/712731 (2010).
  19. Mahesh Hosur, Rajib Barua, **Shaik Zainuddin**, Shaik Jeelani, Ashok Kumar, Jonathan Trovillion, Yadira Perez, “Processing and characterization of epoxy nanocomposites with MWCNT’s/CNF’s using thinky and 3-roll shear mixing techniques,” *Revista Matéria* 15 (2010) 247–253.
  20. **S. Zainuddin**, M. V. Hosur, Y. Zhou, A. Kumar, S. Jeelani, “Durability studies of montmorillonite clay filled epoxy composites under different environmental conditions,” *Materials Science and Engineering A* 507 (2009) 117–123.
  21. M. F. Uddin, H. Mahfuz, S. Zainuddin, S. Jeelani, “Improving Ballistic Performance of Polyurethane Foam by Nanoparticle Reinforcement,” *Journal of Nanotechnology* 2009, doi:10.1155/2009/794740 (2009).
  22. M.V. Hosur, A. A. Mohammed, **S. Zainuddin**, S. Jeelani, “Processing of nanoclay filled sandwich composites and their response to low-velocity impact loading,” *Composite Structures* 82 (2008) 101-116.
  23. M.V. Hosur, A. A. Mohammed, **S. Zainuddin**, S. Jeelani, “Low- Velocity impact performance of nanophased foam- core sandwich composites,” *Materials Science and Engineering A* 498 (2008) 100–109.
  24. H. Mahfuz, **S. Zainuddin**, Vijaya K. Rangari, S. Jeelani, M. R. Parker, T. Al-Saadi, “Enhancement of strength and stiffness of SC-15 epoxy through CNT/CNF reinforcement under high magnetic fields,” *Journal of Materials Science* 44 (2009), 1113- 1120.
  25. H. Mahfuz, **S. Zainuddin**, Vijaya K. Rangari, S. Jeelani, M. R. Parker, T. Al-Saadi, “Enhancement of

strength and stiffness of epoxy- based composites using nanoparticle infusion and high magnetic fields,” Journal of Material letters 61 (2007) 2535–2539.

26. H. Mahfuz, M. Uddin, Vijaya K. Rangari, M. Saha, **S. Zainuddin**, S. Jeelani, “High strain rate response of sandwich composites with nanophased cores,” Applied Composite Materials 12 (2005) 193-211.

### **Refereed Conference Publications**

1. Farooq Syed, **Shaik Zainuddin**, Mackenzie Matthews, Mahesh Hosur, Shaik Jeelani, “Effect of Varying Degree of Functionalization on Crosslinking and Interfacial Properties of Amine (NH<sub>2</sub>) Functionalized Single-Walled Carbon Nanotube Nanocomposite: A Molecular Dynamics Simulation Approach,” SAMPE-CAMX University Research Symposium, Orlando, FL, Dec. 12-14, 2017.
2. S.M. Kamrul Hasan, **Shaik Zainuddin**, Jasmine Tanthongsack, Mahesh Hosur, Lawrence Allen, “A Study on the Effect of Halloysite Nanotubes on the Thermal, Durability and Biodegradability Performance of Poly (hydroxy butyrate hydroxy valerate)-PHBV Nano-Biocomposites,” CAMX, Orlando, FL, Dec. 12-14, 2017.
3. **Shaik Zainuddin**, Chukwuma E. Nweke, Mahesh Hosur, Shaik Jeelani, “Effect of Core-Shell Siloxane/Carbon Nanotubes Modifiers on the Mechanical and Thermo-Mechanical Performance of Bismaleimide Nanocomposites,” CAMX, Orlando, FL, Sept. 11-14, 2017.
4. Chukwuma E. Nweke, **Shaik Zainuddin**, Mahesh Hosur, Vincent Hollowman, Shaik Jeelani, “Processing and Characterization of Carbon Nanotube/Core Shell Siloxane Modified High Temperature Bismaleimide Polymeric Composites,” SAMPE, Long Beach, CA, May 23-26, 2016.
5. Farooq Syed, **Shaik Zainuddin**, Amari Carter, Mackenzie Matthews, Mahesh V. Hosur, Shaik Jeelani, “Single-Walled Carbon Nanotube Added Epon 862 Nanocomposites: Investigating the Crosslinking Behavior and Interfacial Properties Through Molecular Dynamics Simulations,” SAMPE, Long Beach, CA, May 23-26, 2016.
6. **Shaik Zainuddin**, Abdullah Fahim, Shaik Shoieb, Mahesh V. Hosur, Dawen Li, Brittany Terry, Shaik Jeelani, “Jute Bio-Nanocomposites Reinforced with Grafted Halloysite Nanotubes Added PHBV Polymer,” SAMPE, Long Beach, CA, May 23-26, 2016.
7. **Shaik Zainuddin**, Abdullah Fahim, Tauhid Arefin, Mahesh Hosur, Shaik Jeelani, “Mechanical performance of jute/epoxy, glass/epoxy and hybrid jute/glass/epoxy composites,” SAMPE, Seattle, June 2-5, 2014.
8. Abdullah Fahim, **Shaik Zainuddin**, Ema K. Masuma, Jeremiah Tyson, Mahesh V. Hosur, Shaik Jeelani, “Morphological, Thermal and Tensile Properties of Halloysite Nanotubes Filled Poly Hydroxybutyrate-co-Hydroxyvalerate (PHBV) Nanocomposites,” SAMPE, Seattle, June 2-5, 2014.
9. **Shaik Zainuddin**, Tauhid Arefin, Mahesh Hosur, Shaik Jeelani, Ashok Kumar, “Recovery of low-velocity impact properties of glass fiber reinforced composites through self-healing technique,” Proceeding of IMECE2013, ASME International Mechanical Engineering Congress and Exposition, San Diego, California, Nov. 15-21, 2013,
10. M. M. Rahman, **S. Zainuddin**, M. V. Hosur, J.E. Malone, Ashok Kumar, S. Jeelani, “Optimization of low velocity impact properties of e-glass/epoxy composites using plasticizing modifiers” ASME, Houston, Texas, Nov. 9-15, 2012
11. M. M. Rahman, **S. Zainuddin**, M. V. Hosur, Ashok Kumar, J. Trovillion, S. Jeelani, “Effect of amino-functionalized MWCNTs on high velocity impact properties of E-glass/epoxy composites” American Society of Composites conference, Arlington, Texas, Oct. 1-3, 2012.
12. M. M. Rahman, **S. Zainuddin**, M. V. Hosur, S. Jeelani, “A study on enhancement of energy absorption capability of glass fiber reinforced epoxy composites using plasticizing modifier” SAMPE, Baltimore, Maryland, May 21-24, 2012.
13. M. M. Rahman, **S. Zainuddin**, M. V. Hosur, A. Kumar, J. Trovillion, S. Jeelani, “Effect of enhanced crosslink density on interfacial strength of E-glass/epoxy composites modified by amino-functionalized MWCNTs”, ICME, Dhaka-Bangladesh, Dec. 18-20, 2011.
14. M.B.A. Salam, M. V. Hosur, **S. Zainuddin**, S. Jeelani, “Characterization of NH<sub>2</sub>-MWCNT/ epoxy nanocomposites using two different curing cycles,” ICME, Dhaka-Bangladesh, Dec. 18-20, 2011.
15. Y. Zhou, M. Hosur, S. Jeelani, and **S. Zainuddin**, “Effect of clay on tensile, flex and fatigue behavior of carbon fiber reinforced epoxy,” Proceedings of IMECE 20011, 2011 ASME International Mechanical

Engineering Congress and Exposition, November 11-17, 2011, Denver, Colorado, USA.

16. Nusrat Jahan, Mahesh V. Hosur, **Shaik Zainuddin**, Shaik Jeelani, “Mechanical and thermal characterization of COOH-functionalized MWCNT infused epon 862 nanocomposites”, ICME, Dhaka-Bangladesh, Dec. 18-20, 2011.
17. M.B.A. Salam, **S. Zainuddin**, M. V. Hosur, M. M. Rahman, J. Holly Jr., S. Jeelani, “Mechanical and thermal investigation of NH<sub>2</sub> functionalized multi-walled carbon nanotube epoxy nanocomposite”, SAMPE, Fort Worth, TX, Oct. 17-20, 2011.
18. M. M. Rahman, **S. Zainuddin**, M. V. Hosur, C. J. Robertson, M.B.A. Salam, Ashok Kumar, S. Jeelani, “Experimental investigation of E-glass/epoxy composites modified using NH<sub>2</sub> functionalized multi-walled carbon nanotubes through sonication and calendaring methods”, SAMPE, Fort Worth, TX, Oct. 17-20, 2011.
19. **Shaik Zainuddin**, Mahesh Hosur, Harish Rao, Rajib Barua, Shaik Jeelani, Ashok Kumar, Jonathan Trovillion, “Influence of Non-Functionalized and Functionalized MWCNTs on Mechanical and Thermal Properties of Epoxy Composites”, IMECE, Vancouver, Canada, Nov. 12-18, 2010.
20. Alfred Tcherbi-Narteh, Mahesh V. Hosur, **Shaik Zainuddin**, Shaik Jeelani, “Compression and Flexural Response of Carbon/Epoxy-Nanoclay Nanocomposites Subjected to UV Radiation and Condensation”, IMECE, Vancouver, Canada, 12-18 November, 2010.
21. Alfred Tcherbi-Narteh, Mahesh Hosur, **Shaik Zainuddin**, Shaik Jeelani, “Static and High Strain Rate Compression Response of Carbon/Epoxy-Nanoclay Composites Subjected to Synergistic Effect of UV Radiation and Condensation”, ACCM-7, Taipei, Taiwan, Nov. 15-18, 2010.
22. **S. Zainuddin**, M. V. Hosur, R. Barua, H. Rao and S. Jeelani, “Influence of amino functionalized multi-walled carbon nanotube reinforcement on the mechanical and thermal properties of SC-15 epoxy nanocomposite”, ‘nano Future’, for the 21<sup>st</sup> Century, International conference on “Nanotechnology – Materials and Composites for Frontier Applications”, Pune, India, Oct. 14-15, 2010.
23. Alfred Tcherbi-Narteh, Mahesh Hosur, **Shaik Zainuddin**, Shaik Jeelani “Compression and Flexural Response of Carbon/Epoxy-Nanoclay Nanocomposites Subjected to UV Radiation and Condensation”, SAMPE, Salt Lake City, UT, Oct.11-14, 2010.
24. Mahesh Hosur, Rajib Barua, **Shaik Zainuddin**, Shaik Jeelani, “Processing and Characterization of VGCNF Infused Epoxy Nanocomposites Using Three Different Techniques”, SAMPE, Salt Lake City, UT, Oct. 11-14, 2010.
25. Mahesh V. Hosur, Rajib Barua, **Shaik Zainuddin**, Shaik Jeelani, Ashok Kumar, Jonathan Trovillion, “Processing Optimization and Characterization of MWCNT infused Epoxy Nanocomposites Using Three Different Techniques”, ASC, Dayton, OH, Sept. 19-21, 2010.
26. Mahesh Hosur, Rajib Barua, **Shaik Zainuddin**, Shaik Jeelani, Ashok Kumar, Jonathan Trovillion, Yadira Perez, “Processing and Characterization of Epoxy Nanocomposites with MWCNTs/CNFs Using Thinky and 3-Roll Shear Mixing Techniques”, 1<sup>st</sup> TMS-ABM International Materials Congress, Rio de Janeiro, Brazil, July, 2010.
27. **S. Zainuddin**, M. V. Hosur, R. Barua, and A. V. Anafo, Ashok Kumar and S. Jeelani, “Effects of Ultraviolet Radiation and Condensation on Static and High Strain Rate Behavior of Nanophased Glass/ Epoxy Composites”, The 1st joint American- Canadian International Conference on Composites, Delaware, DE, September, 2009.
28. **S. Zainuddin**, M.V. Hosur, A. Kumar, S. Jeelani, “Durability Studies of Nanophased FRP Composites under synergistic exposure conditions”, International Conference on Composite Materials, ICCM-17, Edinburgh, UK, July, 2009.
29. **S. Zainuddin**, M. V. Hosur, A. Tcherbi-Narteh, Ashok Kumar and S. Jeelani, “Dynamic Compression Response of Nanophased Composites Subjected to UV Radiation”, SEM, Albuquerque, NM, June, 2009.
30. **S. Zainuddin**, M. V. Hosur, Y. Zhou, Ashok Kumar and S. Jeelani, “Characterization of neat and nanophased epoxy polymers subjected to accelerated aging conditions”, ASC, Memphis, TN, September, 2008.
31. **S. Zainuddin**, M. V. Hosur, Y. Zhou, Ashok Kumar and S. Jeelani, “Durability Study of Neat/ Nanophased GFRP Composites Under Different Environmental Conditioning”, ASC, Memphis, TN, September, 2008.
32. M. R. Parker, Y. Dwivedi, T. Al- Saadi, **S. Zainuddin**, H. Mahfuz, V. K. Rangari, S. Jeelani, “Enhancement

of mechanical properties of epoxy- based nanocomposites using high magnetic fields”, ICM Conference, Scotland, 2006.

33. H. Mahfuz, **S. Zainuddin**, M. F. Uddin, V.K. Rangari, S. Jeelani, M. R. Parker, T. Al- Saadi, “Response of magnetically flocculated nanophased composites under dynamic loading”, ASC, Philadelphia, PA, 2005.
34. H. Mahfuz, **S. Zainuddin**, M. R. Parker, T. Al-Saadi, “Improvements in high specific strength epoxy-based composites using high magnetic fields”, Nanotech, Anaheim, CA, 2005.
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36. Mohammed Farid Uddin, Hassan Mahfuz, **Shaik Zainuddin**, Shaik Jeelani, “Anisotropic behavior of rigid polyurethane foam with acicular nanoparticles infusion under high strain rate”, ASC, Philadelphia, PA, 2005.
37. M. F. Uddin, H. Mahfuz, **S. Zainuddin**, S. Jeelani, "Infusion of spherical and acicular nanoparticles into polyurethane foam and their influences on dynamic performances”, SEM, Portland, OR, 2005.

### Presentations at National/International Conferences

1. **Shaik Zainuddin**, Mahesh Hosur, Mohamed Uddin, Shannon Stephens, “Economical Processing and Property Optimization of Fiber Polymer Nanocomposites,” NanoBio Summit, Nov. 9-10, 2017.
2. Amari Carter, Farooq Syed, **Shaik Zainuddin**, Shaik Jeelani, “A molecular dynamics simulation approach to predict the elastic properties of Epon 862 composites reinforced with single walled carbon nanotubes,” Science and Technology Open House, Montgomery, AL, February 5 2016.
3. Farooq Syed, **Shaik Zainuddin**, Amari carter, Mackenzie Matthews, Shaik Jeelani, “Single-walled carbon nanotube added epon 862 nanocomposites: investigating the crosslinking behavior and interfacial properties through molecular dynamics simulations,” SAMPE Long Beach California, May 23-26 2016.
4. Farooq Syed, **Shaik Zainuddin**, Amari Carter, Shaik Jeelani, “Control and Functionalized Single-Walled Carbon Nanotubes Added Epon 862 Nanocomposites: Investigating the Crosslinking Behavior and Interfacial Properties through Molecular Dynamic Simulations,” Science and Technology Open House, Montgomery, AL, February 5 2016.
5. Farooq Syed, **Shaik Zainuddin**, Amari Carter, Shaik Jeelani, “Control and Functionalized Single-Walled Carbon Nanotubes Added Epon 862 Nanocomposites: Investigating the Crosslinking Behavior and Interfacial Properties through Molecular Dynamic Simulations,” JAR Symposium, Tuskegee, AL, March 17-18 2016.
6. Mackenzie Matthews, Farooq Syed, **Shaik Zainuddin**, Shaik Jeelani, “A molecular Dynamics simulation approach to predict the elastic properties of Epon 862 composites reinforced with single/multi-walled carbon nanotubes,” ERN Conference, Washington D.C, February 26 2016.
7. Fahim Abdulla, **Shaik Zainuddin**, Shaik Shoeib, Mahesh Hosur, Dawen Li, Brittany Terry, Shaik Jeelani, “Jute Bio-Nanocomposites Reinforced With Grafted Halloysite Nanotubes Added PHBV Polymer,” SAMPE Long Beach California, May 23-26 2016.
8. Chukwuma E. Nweke, **Shaik Zainuddin**, Mahesh Hosur, Shaik Jeelani, “High Temperature Bismaleimide Polymeric Composites for the Air Force Applications,” Annual Review Meeting, Air Force Research Lab, Dayton Ohio, September 18-19, 2015.
9. Mackenzie Matthews, Farooq Syed, **Shaik Zainuddin**, Shaik Jeelani, “A molecular Dynamics simulation approach to predict the elastic properties of Epon 862 composites reinforced with single/multi-walled carbon nanotubes,” Airforce Research Laboratory, Dayton-Ohio September 16 2015.
10. Farooq Syed, **Shaik Zainuddin**, Amari Carter, Jamie King, Shaik Jeelani, “A Molecular Dynamics Simulation Approach to Predict the Elastic Properties of Epon 862 Composites reinforced with Carbon Nanotubes,” Nano-Bio summit, University of Birmingham October 15-16 2015.”
11. Farooq Syed, **Shaik Zainuddin**, Amari Carter, Shaik Jeelani, “Investigation of interfacial strength of Epon 862 reinforced with carbon nanotubes through molecular dynamics simulations,” Scimeeting, Chicago, IL, November 3-4 2015.
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- impact properties of glass fiber reinforced composites through self-healing technique,” Proceeding of IMECE2013, ASME International Mechanical Engineering Congress and Exposition, San Diego, California, Nov. 15-21, 2013,
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  19. Amir Usher, Mahesh Hosur, Gregory Strawder, **Shaik Zainuddin**, Shaik Jeelani, “Studies on the thermal and mechanical behavior for low density polyurethane foam nanocomposites”, IMECE, Vancouver, Canada, Nov. 12-18, 2010.
  20. Mahesh V. Hosur, Rajib Barua, **Shaik Zainuddin**, Shaik Jeelani, Ashok Kumar, Jonathan Trovillion, “Processing Optimization and Characterization of MWCNT infused Epoxy Nanocomposites Using Three Different Techniques”, ASC, Dayton, OH, Sept. 19-21, 2010.
  21. M.V. Hosur, A. Agubra, **S. Zainuddin**, S. Jeelani, “Effect of Processing Methods on the Mechanical Behavior of Nanoclay infused Epoxy/ Glass Nanocomposites”, 16<sup>th</sup> U.S. National Congress of Theoretical and Applied Mechanics Conference, Penn state, PA, June 27-July 2, 2010.
  22. **S. Zainuddin**, M. V. Hosur, R. Barua, and A. V. Anafo, Ashok Kumar and S. Jeelani, “Effects of Ultraviolet Radiation and Condensation on Static and High Strain Rate Behavior of Nanophased Glass/ Epoxy Composites”, The 1st joint American- Canadian International Conference on Composites, Delaware, DE, September, 2009.
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  28. H. Mahfuz, **S. Zainuddin**, M. R. Parker, T. Al-Saadi, “Improvements in high specific strength epoxy-

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